

Title (en)
VATERITE AND PRODUCTION METHOD.

Title (de)
VATERIT UND VERFAHREN ZU DESSEN HERSTELLUNG.

Title (fr)
VATERITE ET SON PROCEDE DE FABRICATION.

Publication
EP 0540540 B1 19940928

Application
EP 91912420 A 19910723

Priority
• BE 9000743 A 19900724
• BE 9100051 W 19910723

Abstract (en)
[origin: WO9201629A1] Method for producing vaterite wherein a mixture of particles containing calcium in oxide and/or hydroxide form is treated in a reactive medium containing an acid salt of an organic amine in order to transform the calcium in soluble salt form and to obtain a medium whose pH, the so called process pH, has a value higher than 10. CO₂ is introduced in the medium subjected to stirring until the pH of the medium reaches a so called saturation pH of a value close to 0.83 x process pH, and CO₂ is introduced at a flow rate lower than 50g CO₂/hour/litre in the medium so as to form the substantially spherical vaterite.

IPC 1-7
C01F 11/18; **G11B 5/72**; **C11D 9/12**; **A61K 7/16**

IPC 8 full level
A61K 8/02 (2006.01); **A61K 8/19** (2006.01); **A61Q 11/00** (2006.01); **C01F 11/18** (2006.01); **C09C 1/02** (2006.01); **C09D 5/34** (2006.01); **C09D 7/61** (2018.01); **C09J 201/00** (2006.01); **C10M 103/06** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 9/12** (2006.01); **D21H 17/67** (2006.01); **D21H 19/38** (2006.01); **G11B 5/712** (2006.01); **G11B 5/72** (2006.01); **G11B 5/73** (2006.01)

CPC (source: EP US)
A61K 8/02 (2013.01 - EP US); **A61K 8/19** (2013.01 - EP US); **A61Q 11/00** (2013.01 - EP US); **C01F 11/181** (2013.01 - EP US); **C01F 11/183** (2013.01 - EP US); **C09D 5/34** (2013.01 - EP US); **C09D 7/61** (2017.12 - EP US); **C09D 7/69** (2017.12 - EP US); **C09J 201/00** (2013.01 - EP US); **C10M 103/06** (2013.01 - EP US); **C11D 3/1233** (2013.01 - EP US); **D21H 17/675** (2013.01 - EP US); **D21H 19/385** (2013.01 - EP US); **C01P 2004/32** (2013.01 - EP US); **C01P 2004/51** (2013.01 - EP); **C01P 2004/61** (2013.01 - EP); **C01P 2006/12** (2013.01 - EP); **C01P 2006/80** (2013.01 - EP); **C08K 3/26** (2013.01 - EP US); **C08K 7/24** (2013.01 - EP US); **C08L 2666/54** (2013.01 - EP US); **C10M 2201/062** (2013.01 - EP US); **C10M 2201/063** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US)

Citation (examination)
CHEMICAL ABSTRACTS, vol. 111, no. 26, 25. Dez. 1989, Columbus Ohio, US; abstract no. 236085T, K.TANAKA et al. voir abrégé & JP,A.62 113 718 (OKUTAMA KOGYO) 25 Mai 1987

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WO 9201629 A1 19920206; AT E112239 T1 19941015; BE 1003441 A5 19920324; CA 2087949 A1 19920125; CA 2087949 C 20010710; CZ 230291 A3 19930113; CZ 285539 B6 19990915; DE 69104365 D1 19941103; DE 69104365 T2 19950504; EP 0540540 A1 19930512; EP 0540540 B1 19940928; FI 930266 A0 19930122; FI 930266 A 19930122; FI 98510 B 19970327; FI 98510 C 19970710; IE 67189 B1 19960306; IE 912599 A1 19920129; JP H05509282 A 19931222; NO 306609 B1 19991129; NO 930232 D0 19930122; NO 930232 L 19930122; PT 98422 A 19920529; PT 98422 B 19990129; SK 230291 A3 19940810; SK 279602 B6 19990111; US 5290353 A 19940301

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